



PhD Course Land, Environment, Resources and Health

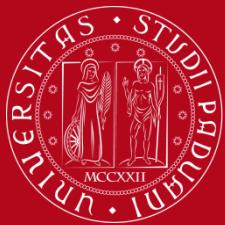
<https://www.unipd.it/en/phd/land-environment-resources-health-lerh>



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DAFNAE
Department of Agronomy Food Natural
resources Animals and Environment



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LERH: Overview

Students:

17 Cycle 41

12 Cycle 40

15 Cycle 39

35+% International Students

8 Representatives

Good gender balance



The Scientific Council and the Board:

Marco Borga Coordinator

Laura Secco Deputy Coordinator

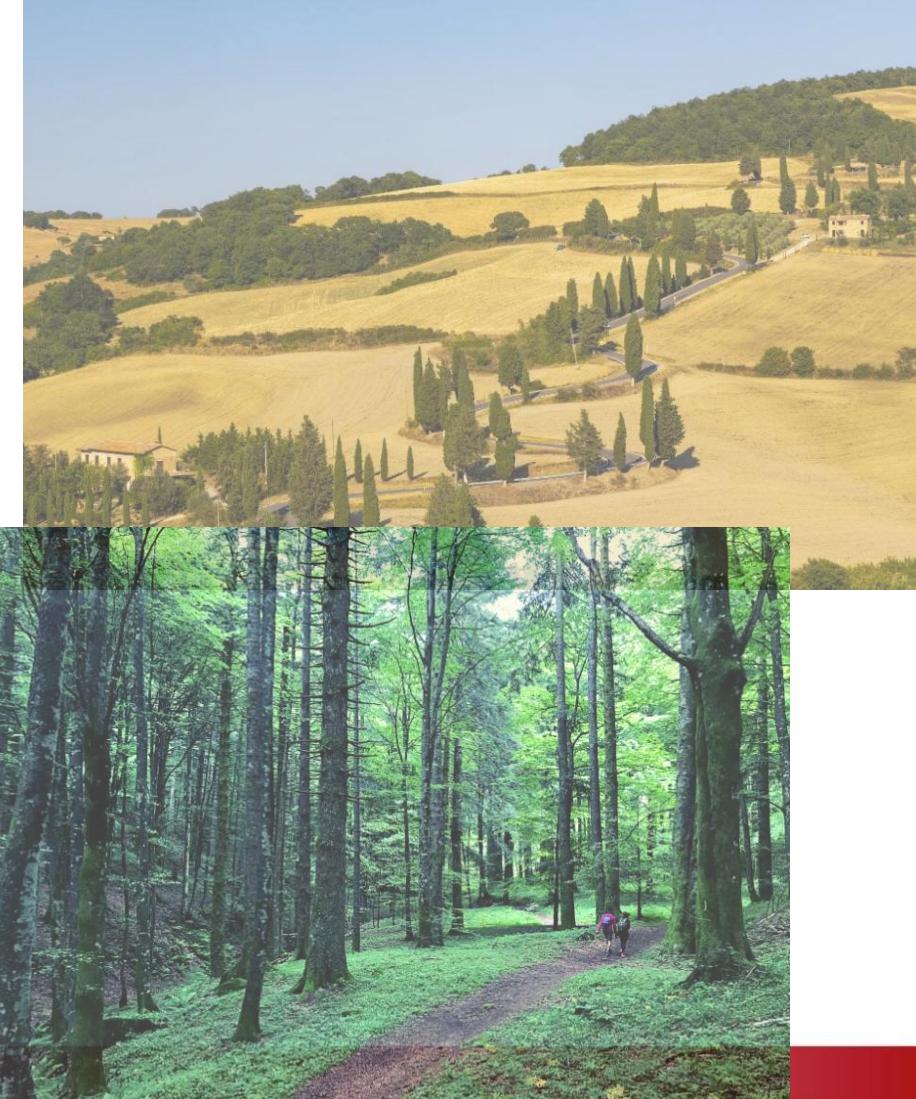
50 Researchers and Professors

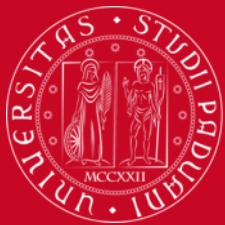


LERH PhD Program

The mission

Development of:
Integrated strategies for the
**management of natural
resources**,
for promoting an **inter-sectorial
rural and agri-food development**
and associated **bio-based
economic activities**.

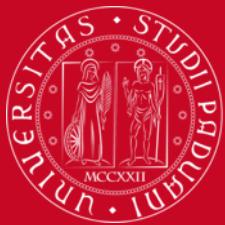




Research areas:

- Agriculture, forest and food **economics and policy**
- Forest **ecology** and forest **management**
- **Hydrology, water resources**, land and soil conservation
- Agriculture and forest **mechanization** and **operations management**
- Viticulture and **enology**, **food quality** and **nutrition**

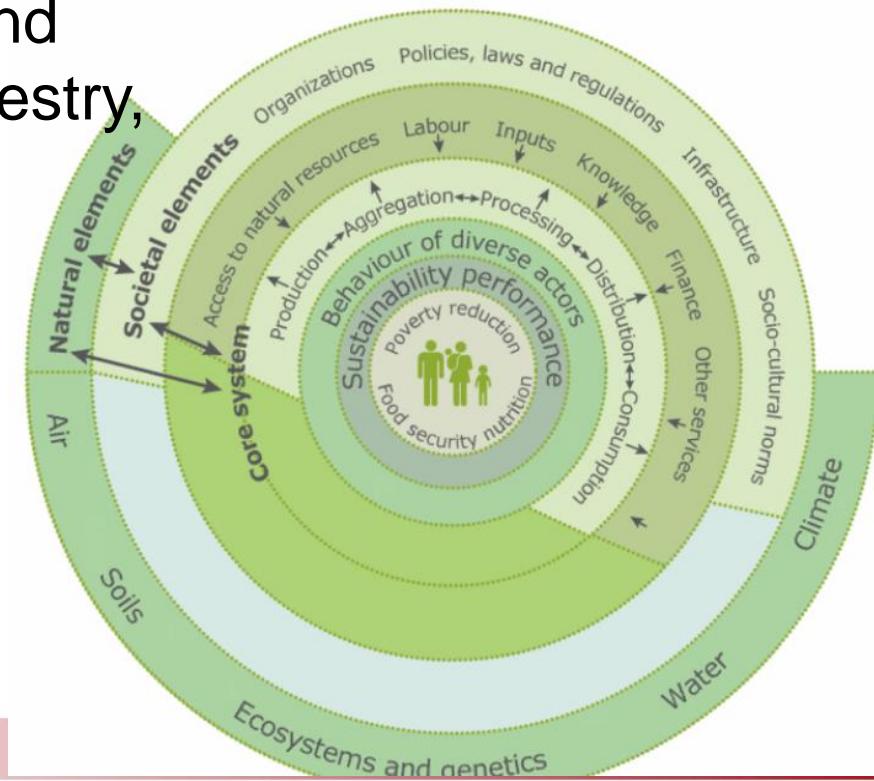


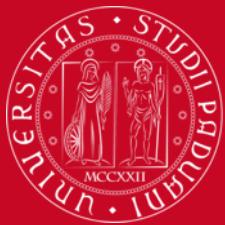


Agriculture, forest and food **economics** and policy

To examine the economic, social, and policy dimensions of agriculture, forestry, and food systems, including value chains and rural development.

Research supports the design of effective policies that promote sustainability, competitiveness, and equitable resource distribution.

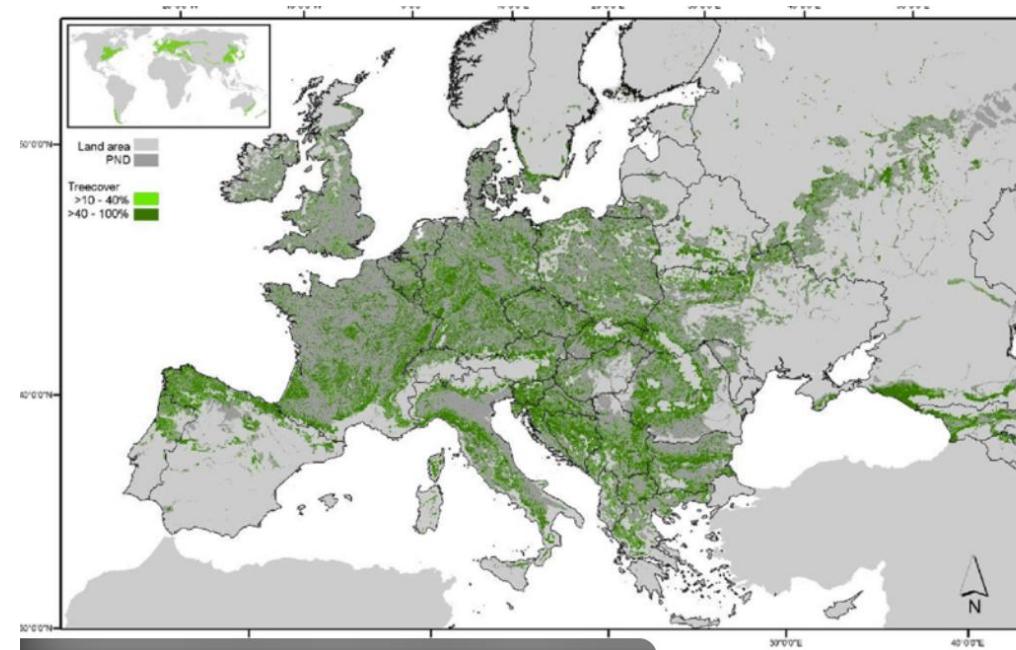


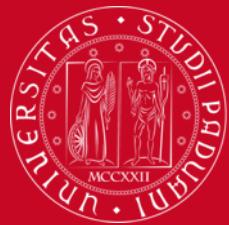


Forest Ecology and Forest Management

This sector investigates forest ecosystem structure, function, and dynamics under changing environmental conditions.

The goal is to develop management strategies that enhance forest production, biodiversity, carbon storage, and the resilience of forest landscapes.





LERH Research areas

Hydrology, Water Resources, Soil and Soil Conservation

Research focuses on the hydrological cycle, water resource and water risks assessment, and soil processes at multiple spatial and temporal scales. It aims to advance strategies for sustainable water use, soil protection, and mitigation of land degradation and climate-related risks.





Agricultural and Forestry Operations Management

This area studies technologies, mechanization, and logistics that improve efficiency, safety, and sustainability in agricultural and forestry operations.

Research targets the optimization of production systems through innovation, automation, and digital tools.





Viticulture and Oenology, Food Quality and Nutrition

This sector investigates grapevine biology, vineyard management, wine production, and factors influencing quality. It also explores how food composition and dietary patterns affect human health, aiming to improve nutritional value and promote high-quality products.





LERH PhD Program International mobility

The PhD course is participating to the following **international programs** for the students and scientists **mobility**:

- Chinese Scholarship Council (China)
- Ciencia sem Fronteiras (Brasil)
- Coimbra Group Scholarship Programme for Young African Researchers (Africa)
- Coimbra Group Scholarship Programme for Young Researchers from European Neighbouring Countries
- Erasmus Mundus Action 2 SILKROUTE (Central Asia)
- Erasmus Mundus Action 2 El Idrisi (North Africa)

LERH has been recently selected by the **European Commission Joint Research Centre (JRC)** for defining a **Collaborative Doctoral Partnership (CDP)**





The Land, Environment, Resources and Health (LERH) PhD Program

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